



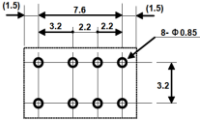
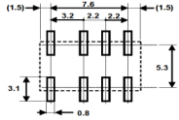
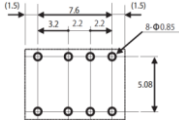
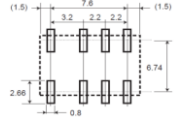
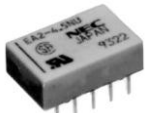


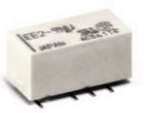
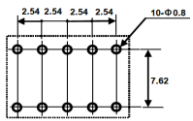
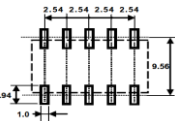
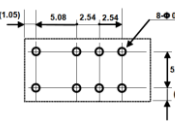
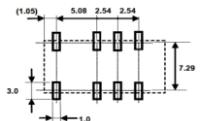




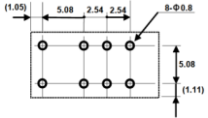
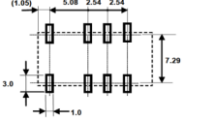
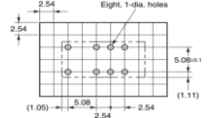
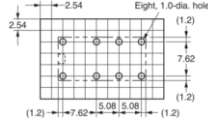






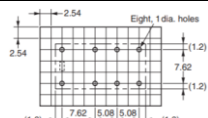
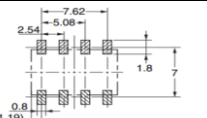
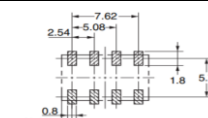
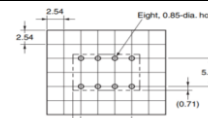
# Telecom Relay

BRAND	<a href="#">NEC</a>	<a href="#">NEC</a>	<a href="#">NEC</a>	<a href="#">NEC</a>
Type	UA2-5NJ / UA2-12NJ	UB2-5NU / UB2-12NU	UC2-5NU / UC2-12NU	UD2-5NU / UD2-12NU
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	10.9 x 6.0 x 8.3	10.9 x 7.4 x 8.8	10.9 x 6.8 x 5.6	10.9 x 8.4 x 5.4
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	2 Form C	2 Form C	2 Form C	2 Form C
Contact Rating Resistive Load	1A 30W / 37.5VA		1A 30W / 37.5VA	
Coil Voltage	3 / 4.5 / 5 / 9 / 12 / 24 VDC		3 / 4.5 / 5 / 9 / 12 VDC	
Feature	• super-compact size	• super-compact size	• super-compact size	• super-compact size
	• dual-inline leads (small mounting space)	• surface mount (small mounting space)	• dual-inline leads (low profile type)	• surface mount (low profile type)
	• 2500V surge (2 x 10 μs)	• 2500V surge (2 x 10 μs)	• 2500V surge (2 x 10 μs)	• 2500V surge (2 x 10 μs)
	• latching type available	• latching type available	• latching type available	• latching type available
	• Low power consumption type available	• Low power consumption type available		
Operate / Release Time (typ.)	2mS / 1mS		2mS / 1mS	
Running Specifications	Load	1x10 <sup>5</sup> (30 VDC , 1A at 20°C) 1x10 <sup>5</sup> (125 VAC , 0.3A at 20°C)		1x10 <sup>5</sup> (30 VDC , 1A at 20°C) 1x10 <sup>5</sup> (125 VAC , 0.3A at 20°C)
	Nonload	5x10 <sup>7</sup> operations (Non-latch type) *4		5x10 <sup>7</sup> operations (Non-latch type) *4

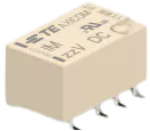
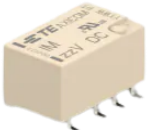
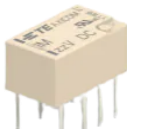

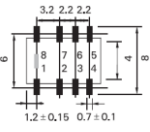
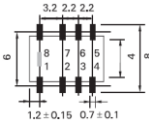
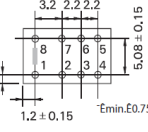
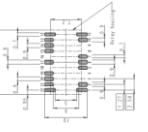
BRAND	<a href="#">NEC</a>	<a href="#">NEC</a>	<a href="#">NEC</a>	<a href="#">NEC</a>
Type	EA2-5NU / EA2-12NU	EB2-5NU / EB2-12NU	EC2-5NU / EC2-12NU	EE2-5NU / EE2-12NU
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	14.2 x 9.2 x 5.4	14.3 x 9.3 x 7.5	15.0 x 7.5 x 9.4	15.0 x 9.5 x 10.0
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	2 Form C	2 Form C	2 Form C	2 Form C
Contact Rating Resistive Load	1A 30W / 62.5VA		2A 60W / 125VA (UL/CSA Rating)	
Coil Voltage	3 / 4.5 / 5 / 12 / 24 VDC		3 / 4.5 / 5 / 9 / 12 / 24 VDC	
Feature	• Low power consumption	• surface mount	• Low power consumption	• Low power consumption
	• Low magnetic interference	• Low power consumption	• dual-inline leads (small mounting space)	• surface mount (reduced mounting space)
	• 1500V FCC surge 1000VAC FCC	• 1500V FCC surge	• 2500V surge (2x10 μs)	• 2500V surge (2x10 μs)
	• compact, light weight	1000VAC FCC	coil to contacts	coil to contacts
	• latching type available	• compact, light weight	• latching type available	• latching type available
		• latching type available	• high-insulation, high-voltage type is line up.	• high-insulation, high-voltage type is line up.
Operate / Release Time (typ.)	2mS / 1mS		2mS / 1mS	
Running Specifications	Load	1x10 <sup>6</sup> (50 VDC , 0.1A at 85°C, 5Hz) 1x10 <sup>6</sup> (10 VDC , 10 mA at 85°C, 2Hz)		1x10 <sup>6</sup> (50 VDC , 0.1A at 85°C, 5Hz) 1x10 <sup>6</sup> (10 VDC , 10 mA at 85°C, 2Hz)
	Nonload	1x10 <sup>8</sup> operations (Non-latch type) *3		1x10 <sup>8</sup> operations (Non-latch type) *4





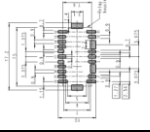
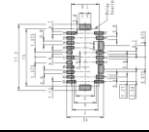

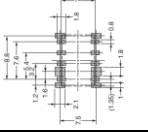
# Telecom Relay

BRAND	<a href="#">NEC</a>	<a href="#">NEC</a>	<a href="#">OMRON</a>	<a href="#">OMRON</a>
Type	<b>ED2-5NU / ED2-12NU</b>	<b>EF2-5NU / EF2-12NU</b>	<b>G6S-2 5VDC / 12VDC</b>	<b>G6A-274P 5VDC / 12VDC</b>
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	15.0 x 7.5 x 9.4	15.0 x 9.5 x 10.0	14.8 x 7.3 x 9.2	20.2 x 10.1 x 8.4
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	2 Form C	2 Form C	2 Form C	2 Form C
Contact Rating Resistive Load	1A 30W / 62.5VA		0.5A at 125VAC / 2A at 30VDC	
Coil Voltage	1.5 / 3 / 4.5 / 5 / 6 / 9 / 12 / 24 VDC		3 / 4.5 / 5 / 12 / 24 VDC	3 to 48 VDC
Feature	• ultra-low power consumption	• ultra-low power consumption	• High dielectric strength	• Resistant to electromagnetic
	• dual-inline leads	• surface mount	(2,000 VAC)	interference
	(small mounting space)	(reduced mounting space)	• 2500V surge (2 x 10 μs)	• Impulse withstand voltage
	• 2500V surge (2 x 10 μs)	• 2500V surge (2 x 10 μs)	coil to contacts	of 1,500V
	coil to contacts	coil to contacts	• Ultra-miniature	• Gold-clad twin-contacts
	• latching type available	• latching type available		
Operate / Release Time (typ.)	3mS / 2mS		4mS / 4mS	5mS / 3mS
Running Specifications	Load	1x10 <sup>6</sup> (50 VDC, 0.1A at 70°C, 5Hz) 1x10 <sup>6</sup> (10 VDC, 10mA at 70°C, 2Hz)	1 x 10 <sup>8</sup>	1 x 10 <sup>8</sup>
	Nonload	1x10 <sup>8</sup> operations *4	1 x 10 <sup>5</sup>	5 x 10 <sup>5</sup>

BRAND	<a href="#">OMRON</a>	<a href="#">OMRON</a>	<a href="#">OMRON</a>	<a href="#">OMRON</a>
Type	<b>G5V-2 5VDC / 12VDC</b>	<b>G6K-2F 5VDC / 12VDC</b>	<b>G6K-2G 5VDC / 12VDC</b>	<b>G6K-2P 5VDC / 12VDC</b>
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	15.0 x 7.5 x 9.4	10.0 x 6.5 x 5.2	10.0 x 6.5 x 5.4	10.0 x 6.5 x 5.0
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	2 Form C	2 Form C	2 Form C	2 Form C
Contact Rating Resistive Load	0.5A at 125VAC / 1A at 30VDC	0.3A at 125VAC / 1A at 30VDC		
Coil Voltage	3 to 48 VDC	3 to 24 VDC		
Feature	• Wide switching power	• Ensuring excellent soldering.		
	of 10 μA to 2 A.	• impulse withstand voltage of 1,500 V for 10 x 160 μs.		
	• Fully-sealed type Relays.	• Standard model conforms to UL/CSA standards.		
	• 1500V surge (10 x 160 μs)	• Models available with a 2.54-mm terminal pitch.		
	coil to contacts	• Rated carry current: 2A.		
Operate / Release Time (typ.)	7mS / 3mS	3mS / 3mS		
Running Specifications	Load	15 x 10 <sup>6</sup>	5 x 10 <sup>7</sup>	
	Nonload	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	

# Telecom Relay

BRAND	<a href="#">TE</a>	<a href="#">TE</a>	<a href="#">TE</a>	<a href="#">TE (RF)</a>
Type	<a href="#">IM03GR / IM06GR</a>	<a href="#">IM03DGR / IM06DGR</a>	<a href="#">IM03TS / IM06TS</a>	<a href="#">HF3</a>
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	10.0 x 6.0 x 5.65	10.0 x 6.0 x 5.65	10.0 x 6.0 x 5.65	14.6 x 7.2 x 10.0
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	2 Form C	2 Form C	2 Form C	1 Form C
Contact Rating Resistive Load	2A 60W, 62.5VA	5A 60W, 62.5VA	2A 60W, 62.5VA	2A 60W, 62.5VA
Coil Voltage	1.5 / 2.4 / 3 / 4.5 / 5 / 6 / 9 / 12 / 24 VDC			3 to 24 VDC
Feature	Slim line 10x6mm, low profile 5.65mm and min. board-space 60mm <sup>2</sup>			Rate voltage 220VDC/250VAC
	Switching current 2/5A, switching power 60W/62.5VA and rate voltage 220VDC/250VAC			50Ω · 75Ω versions
	Low coil power consumption, 140mW standard, 100mW for high sensitive version,			3GHz Insertion loss -0.35dB
	50mW for ultra high sensitive version and 100mW for bistable version			900Mhz Insertion loss -0.12dB
	High dielectric and surge capability up to 3000Vrms between coil and contacts			100MHz Insertion loss -0.03dB
	High mechanical shock resistance up to 300g functional			-55 to 85°C
	900MHz Insertion loss -0.33dB			
Operate / Release Time (typ.)	1mS / 1mS			3mS / 2mS
Running Specifications	Load	(≤30mV/≤10mA) min. 2.5x10 <sup>6</sup> operations		----
	Nonload	1x10 <sup>8</sup> operations		10 <sup>7</sup> operations

BRAND	<a href="#">TE (RF)</a>	<a href="#">TE (RF)</a>	<a href="#">Omron (RF)</a>	<a href="#">Omron (RF)</a>
Type	<a href="#">HF3S</a>	<a href="#">HF6</a>	<a href="#">G6K-2F-RF-V</a>	<a href="#">G6K-2F-RF-T</a>
外觀形狀 Appearance				
尺寸 Size (LxWxH) mm	15.0 x 7.6 x 10.6	15.0 x 7.6 x 10.6	11.7 x 7.9 x 7.1	10.3 x 6.9 x 5.4
Terminal Layout dimension Bottom view (PCB layout)				
Contact Form	1 Form C	1 Form C	2 Form C	2 Form C
Contact Rating Resistive Load	2A 60W, 62.5VA	2A 60W, 62.5VA	125 VAC, 0.3 A 30 VDC, 1 A	125 VAC, 0.3 A 30 VDC, 1 A
Coil Voltage	3 to 12 VDC	3 to 24 VDC	3 to 12 VDC	3 to 24 VDC
Feature	Rate voltage 220VDC/250VAC	Rate voltage 220VDC/250VAC	Power consumption 100 mW	Power consumption of 100 mW
	50Ω · 75Ω versions	50Ω · 75Ω versions	Insulation resistance 500 MΩ min	Insulation resistance 1000 MΩ min
	3GHz Insertion loss -0.3dB	6GHz Insertion loss -0.8dB	8GHz Insertion loss -3dB	3GHz Insertion loss -0.6dB
	900Mhz Insertion loss -0.12dB	3Ghz Insertion loss -0.15dB	-40 to 70°C	1Ghz Insertion loss -0.2dB
	100MHz Insertion loss -0.03dB	900MHz Insertion loss -0.05dB		-40 to 70°C
	-55 to 85°C	-55 to 85°C		
	2GHz RF consumption 150W			
Operate / Release Time (typ.)	3mS / 2mS	3mS / 2mS	1.4mS / 0.7mS	1.4mS / 1.3mS
Running Specifications	Load	----	10 <sup>6</sup> operations	10 <sup>6</sup> operations
	Nonload	10 <sup>7</sup> operations	10 <sup>7</sup> operations	5 x 10 <sup>7</sup> operations