

# Electronic Terminal Junction Modules

MIL-T-81714/25, /26 Series I Compatible

Size 20, 22

## Operating Range

Temperature:  
-65°C to 200°C

Insulation Resistance:  
5000 Megaohms @ 25° C

Dielectric Withstanding Voltage:  
1500 VRMS at Sea Level  
200 VRMS at 100,000 ft.

Current Rating:  
7.5 Amps

Vibration & Shock:  
Per AS-81714  
Paragraph 3.5.8 and 3.5.9

## Materials

Module Body:  
Polyetherimide per ASTM-D5205

Grommet:  
Silicone Rubber per A-A-59588

Internal Contact:  
Copper Alloy, Gold Finish



## Product Description

Electronic Terminal Junction Modules meet all environmental and performance requirements of M81714/25 & /26 (but are not QPL) and are specifically developed for electronic component packaging. Available for size 20 and 22 contacts, these modules function as highly efficient and reliable electronic component packages. They improve system efficiency and density by permitting various electronic components such as diodes, resistors, fuses, and capacitors which usually take up valuable space elsewhere in the system, to be securely packaged within the module housing. Electronic components are encapsulated in semi-rigid elastomer that provides electrical spacing and insulation as well as shock and vibration protection.

Circuit Diagram	APCD P/N	Part	Part P/N	Quantity	Circuit Diagram	APCD P/N	Part	Part P/N	Quantity
	TJE120514	Capacitor	620pF	1*		TJE120820	Diode	1N4003	3
	TJE120515	Capacitor	610pF	1*		TJE120822	Diode	1N4007	5
	TJE120810 <small>M81714/26-D-002 compatible</small>	Diode	JANTX1N5552	5		TJE120824	Diode	JANTX1N5622	5*
	TJE120811	Diode	JANTX1N5552	4		TJE120826	Diode	1N4006	5*
	TJE120812	Diode	JANTX1N5522	4		TJE120827	Diode	JANTX1N5552	4*
	TJE120815	Diode	1N4005	2		TJE120828	Diode	1N5618	1*
	TJE120816	Diode	1N4003	3		TJE120829	Diode	1N5618	2*
	TJE120817	Diode	1N4003	2		TJE120831 <small>M81714/26-D-001 compatible</small>	Diode	JANTX1N5618	5*
	TJE120818	Diode	1N4003	3		TJE120833	Diode	JAN1N5418	1*
	TJE120819	Diode	1N4003	3					

\* With Contacts

# Electronic Terminal Junction Modules

MIL-T-81714/25, /26 Series I Compatible

Size 20, 22

Amphenol Pcd Electronic Terminal Junction Modules Compatible Size 20									
Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity
	TJE120835	Diode	IN4005	2		TJE120911	Resistor	5.1KΩ 1/2W	1*
	TJE120839	Diode	JANTX1N5554	5*		TJE120914	Resistor	2K 1W 590Ω 1W	2
	TJE120842	Resistor	10Ω, 3/4W	5*		TJE120915	Diode	IN4005	4*
	TJE120843	Resistor	100Ω, 3/4W	5*		TJE120916	Diode	IN4005	4*
	TJE120860	Diode	IN4005	5		TJE120917	Resistor	240K 1/2W 10KΩ 1/2W	1*
	TJE120900	Resistor	10KΩ 1/8W	5*		TJE120918	Resistor	300K 1/2W 10KΩ 1/2W	1*
	TJE120902	Resistor	150KΩ 1/8W	5*		TJE120922	Resistor	4.42K, 3.4K, 3K, 2.75K, 1.75K	5
	TJE120903	Resistor	33Ω 1/4W	2*		TJE120924	Resistor	1KΩ 1W	4*
	TJE120904	Resistor	1KΩ 1/8W	2*		TJE120925	Resistor	499Ω 1W	5*
	TJE120905	Resistor	1KΩ 1/2W	2*		TJE120927	Fuse	1 Amp 125V	5
	TJE120906	Resistor	150Ω 1/2W	1		TJE120928	Resistor	1.3KΩ 1/4W	5
	TJE120907	Resistor	180Ω 1/2W	1		TJE120929	Resistor Thyristor	2N5604 100KΩ 1/4W	1 1
	TJE120908	Resistor	2K, 1.6K, 1.3 K, 1K, 750, 1/2W	5		TJE120932	Resistor	1N4007 4.75KΩ 1W	4*
	TJE120909	Resistor	70K, x2, 280K, 500K	4		TJE120935	Resistor	100KΩ 1/4W	5*

\* With Contacts

# Electronic Terminal Junction Modules

MIL-T-81714/25, /26 Series I Compatible

Size 20, 22

Amphenol Pcd Electronic Terminal Junction Modules Compatible Size 20,22									
Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity	Circuit Diagram	APCD P/N	Part	Value or P/N	Quantity
	TJE120936	Resistor	271K 1/4 W 27.1KΩ 1/4 W	2* 2*		TJE120991	Resistor	56Ω 100Ω	1* 2*
	TJE120939	Resistor	200KΩ 1/8W 100K 1/8W	2* 3*		TJE120993	Resistor	39Ω 120Ω	1* 2*
	TJE120941	Diode	JANTX1N5618	1*		TJE120996	Resistor	220Ω 1/4W	2
	TJE120942	Resistor	1K, 220, 100, 10K, 5.62K	5*		TJE120997	Resistor	100Ω 1/4W	2
	TJE120970	Resistor	10K 1/2W	2*		TJE120998	Rectifier	BYW56	2
	TJE120971	Resistor	47.5K 1/2W	2*		TJE120999	Rectifier	BYW56	2
	TJE120973	Resistor	2.2KΩ	5		TJE122904	Resistor	1K 1/8W	2*
	TJE120974	Resistor	4.7KΩ	5					* With Contacts

