



Qualified to MIL-T-81714 DME's M81714/21 Diode Junctions and M81714/23 Fuse Junctions are compact, economical, and readily available with short lead times. Custom configurations of these Electronic Junctions packaging other types of electronic components are also available in non-qualified versions terminating with the same Series I pin contacts.

PERFORMANCE SPECIFICATIONS

DIELECTRIC WITHSTANDING VOLTAGE:

Sea Level: 1,500 Volts AC (RMS)
At 70,000 ft: 200 Volts AC (RMS)

INSULATION RESISTANCE

5,000 megohms at 25 C.

TEMPERATURE:

Operative at -65 C to +200 C.

FLUID COMPATABILITY:

Method 1016 of MIL-STD-1344.

MOISTURE RESISTANCE:

Method 1002, Type II of MIL-STD-1344.

THERMAL SHOCK

Per MIL-STD-1344 Test Condition A.

CONTACT RETENTION:

Contact Size	Axial Load
20	20 lbs. min
22	12 lbs. min

GROMMET SEALING RANGE:

(MIL-T-81714, Table I)

Contact size	Max. Wire O.D.	Min. Wire O.D.
20	.083	.040
22	.060	.030

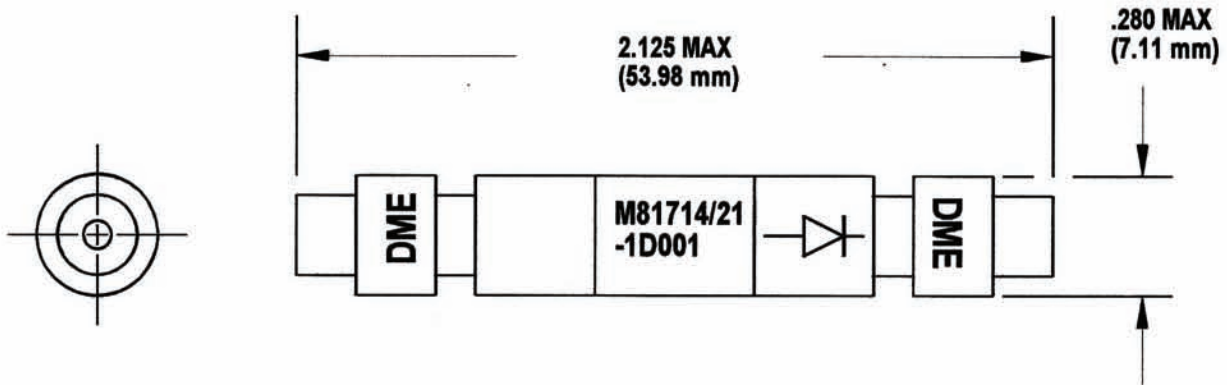
OTHER TESTS PERFORMED:

Vibration, Mechanical Shock, Altitude Immersion, Temperature Life, all per MIL-T-81714.



Electronic Component Splices Series I

M81714, Series I, Electronic In-Line Junction Integral Diode

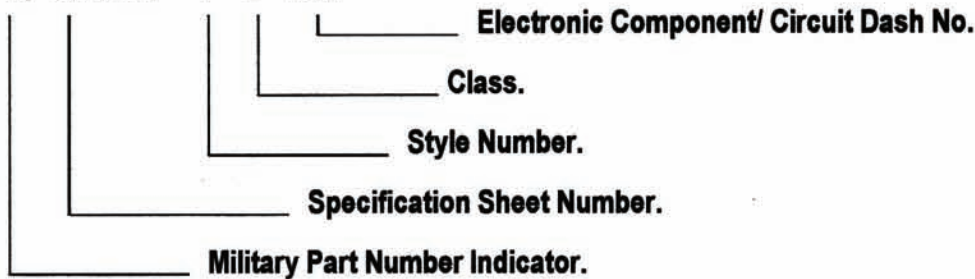


Style 1 Part Numbers.

Part Number	Diode P/N	Size	Contact P/N
M81714/21-1D001	JAN 1N5618	22	M39029/1-100
M81714/21-1D002	JAN 1N5618	20	M39029/1-101
M81714/21-1D003	JAN 1N4148	20	M39029/1-101
M81714/21-1D004	JAN 1N5620	20	M39029/1-101

Part Number Explanation:

M 81714/21 - 1 D XXX



Part Number Example:

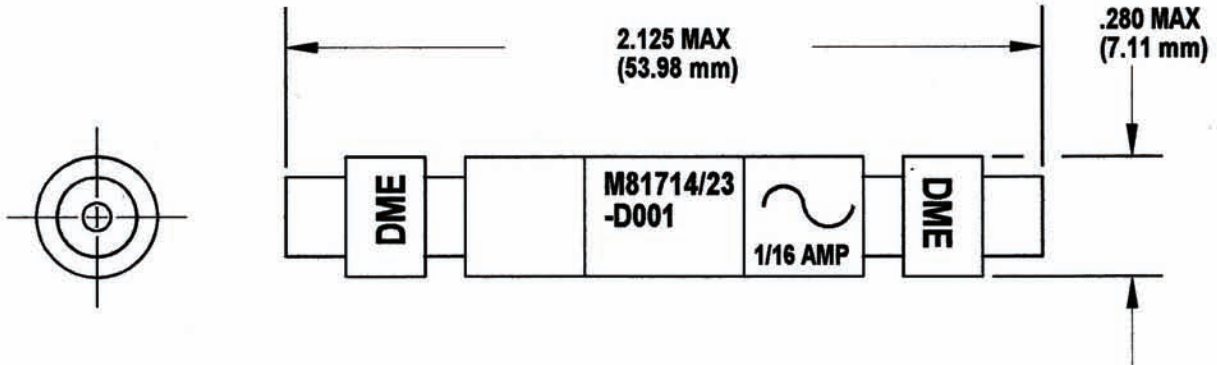
M81714/21-1D001

Diode in-line junction, Size 22, Style 1, Class D, with 001 circuit (one JAN 1N5618 diode).



Electronic Component Splices Series I

M81714, Series I, Electronic In-Line Junction
Integral Fuse



Style 1 Part Numbers.

Style 1 fuses meet the requirements of MIL-F-23419, Type FM04.

Part Number	Fuse Rating		Size	Contact P/N
	Amps	Volts		
M81714/23-1D001	1/16	125	20	M39029/1-101
M81714/23-1D002	1/8	125	20	M39029/1-101
M81714/23-1D003	1/4	125	20	M39029/1-101
M81714/23-1D004	3/8	125	20	M39029/1-101
M81714/23-1D005	1/2	125	20	M39029/1-101
M81714/23-1D006	3/4	125	20	M39029/1-101
M81714/23-1D007	1	125	20	M39029/1-101
M81714/23-1D008	1-1/2	125	20	M39029/1-101
M81714/23-1D009	2	125	20	M39029/1-101
M81714/23-1D010	2-1/2	125	20	M39029/1-101
M81714/23-1D011	3	125	20	M39029/1-101
M81714/23-1D012	3-1/2	125	20	M39029/1-101
M81714/23-1D013	4	125	20	M39029/1-101
M81714/23-1D014	5	125	20	M39029/1-101
M81714/23-1D015	7	125	20	M39029/1-101
M81714/23-1D016	10	125	20	M39029/1-101

Above P/N's also available in size 22 with the M39029/1-100 contact. Please consult factory.