

Weight

0.11 oz. (3.2g) max.

GROUND SHIELD





GENERAL ELECTRICAL SPECIFICATIONS (-65°C to +125°C unless otherwise noted)(Notes 2 & 3)			
Contact Life Ratings		10,000,000 cycles (typical) at low level	
Operate Time (Note 8)	Max.	4.0 ms max. at nominal rated coil voltage	
	Тур.	2.0 ms max. at nominal rated coil voltage	
Insulation Resistance		1,000 M $\Omega$ min. between mutually isolated terminals	
Dielectric Strength		350 (Vrms/60 Hz) @ atmospheric pressure	

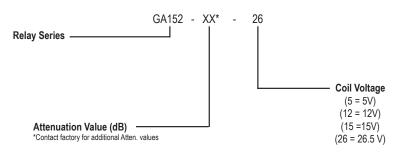
DETAILED ELECTRICAL SPECIFICATIONS (-65°C to +125°C unless otherwise noted)(Note 3)

BASE PART NUMBERS (A152)		A152-dB-5	A152-dB-12	A152-dB-15	A152-dB-26
Cail Valtaga (Vda)	Nom.	5.0	12.0	15	26.5
Coil Voltage (Vdc)	Max.	5.8	16.0	20.0	32.0
Coil Resistance (Ohms ±20%)		50	390	610	1,560
Pick-Up Voltage (Vdc, Max.)		3.8	9.0	11.3	18.0

GENERAL PERFORMANCE (-55°C to +85°C)

PARAMETER	MINIMUM	TYPICAL	MAXIMUM
Operating Frequency (GHz)	0.0	-	5.0
Power (W) (Notes 5 and 6)	-	-	1.0
Impedance (Ω)	-	50	-

## Part Numbering System (Note 11)



## NOTES:

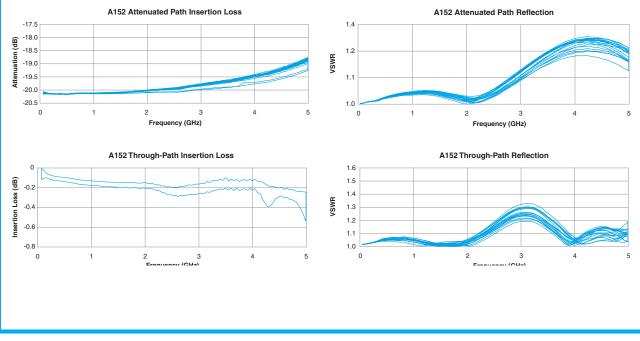
- Contacts will exhibit no contact chatter in excess of 10 μs or transfer in excess of 1 μs.
  "Typical" characteristics are based on available data and are best estimates. No on-going verification tests are performed.
- 3. Unless otherwise specified, parameters are initial values.
- 4. Relays may be operated at higher frequencies with reduced RF performance.
- 5. For optimal RF performance, solder case to RF ground plane.
- 6. Attenuation values shown are with reference to the through path (low loss state).
- 7. Power handling for case temperatures of -55°C to +55°C is 1 Watt. Derate power handling 25 mW/°C above +55°C. Case measurement point is adjacent to the relay tab.
- 8. Do not operate coil at maximum coil voltage continuously.
- 9. Insert attenuation value, see part numbering system.
- 10. Switching time includes bounce.
- 11. Unless otherwise specified, relays will be supplied with gold-plated.

## RF Performance (-55°C to +85°C)

BASE PART NUMBERS (RF180)	RANGE	TYPICAL	MAXIMUM
	DC - 1 GHz	0.1	0.25
lagerting lager (JD)	1 - 2 GHz	0.2	0.35
Insertion Loss (dB)	2 - 3 GHz	0.3	0.055
	3-5 GHz	See Graph	
	DC - 1 GHz	1.10	1.20
VSWD (Through Dath)	1 - 2 GHz	1.20	1.25
VSWR (Through Path)	2 - 3 GHz	1.25	1.30
	3-5 GHz	See Graph	
	DC - 1 GHz	1.20	1.25
VSWD (Attenueted Dath)	1 - 2 GHz	1.30	1.35
VSWR (Attenuated Path)	2 - 3 GHz	1.40	1.45
	3-5 GHz	See (	Graph

ATTENUATION	RANGE	MINIMUM	TYPICAL	MAXIMUM
Insertion Loss (dB)	DC - 1 GHz	19.8	20.0	20.2
	1 - 2 GHz	19.6	20.0	20.4
	2 - 3 GHz	19.0	20.0	21.0
	3-5 GHz		See Graph	

## **TYPICAL RF CHARACTERISTICS**





Broadband Attenuator Relay

