TVS Transient-Protection Connectors, Marine Grade

Surge, lightning and ESD protection in the connector



Protection	Transient voltage suppression
Temperature	–55 to +125 °C
Mating cycles	500
Environment	Marine grade

Key features

- Transient suppression at every protected contact
- Protects against switching transients, lightning, ESD and EMP
- Fast response; no external circuit needed
- Some EMI/RFI shielding
- Light and compact; reduces system cost
- Can be combined with filter contacts

Specifications

Electrical

Parameter	Value	Condition
Insulation resistance	≥ 1000 MΩ	100 VDC, unprotected contacts
Withstanding voltage	500 VDC, 5 s	Unprotected contacts
Clamping voltage and energy	Tested to your requirements	

Mechanical and environmental

Parameter	Value	Condition
Durability	500 mating cycles	
Operating temperature	–55 to +125 °C	
Vibration	10–2000 Hz, 20 g	
Shock	100 g	
Acid salt spray	240 h (5 × 48 h), pH 3.5 ± 0.5	GJB 150.11A
Acid atmosphere	4 cycles, pH 3.5 ± 0.5	GJB 150.28
Mold	84 days, grade 1 or better	GJB 150.10A

Request a quote or drawing: https://sinoxh.com/request-a-quote/?product=TVS