

Datasheet

ST Connectors

RS Stock number [536-8115](#)



Description:

The ST connector features a 2.5 mm ferrule with a quick release bayonet (stick and twist) style body for ease of use. A range of ST connectors is manufactured including Low Loss and High Performance Grades which are suitable for various applications. ST connectors are available for singlemode UPC with yellow boots, APC with green boots and multimode PC with black or red boots suitable for either 900µm, 2mm or 3mm cable diameters.

Specifications:

	Criteria	Effect	Conformance
Mating Durability:	500 Matings	<0.2dB change	IEC 61300-2-2
Vibration:	10-55Hz, 0.75 amplitude	<0.2dB change	IEC 61300-2-1
Drop:	Drop height 1M, 5 drops	<0.2dB change	IEC 61300-2-12
Cable Retention:	Magnitude 90N	<0.2dB change	IEC 61300-2-4
Cable Torsion:	1.5kg-2kg for 2-3mm cable diameter	<0.2dB change	IEC 61300-2-5
Operating temp:	-25°C to + 70°C, 12 cycles	<0.2dB change	IEC 61300-2-22
Cold:	-25° for 96hrs	<0.2dB change	IEC 61300-2-17
Dry heat:	+70° for 96hrs	<0.2dB change	IEC 61300-2-18



Specifications:

Optical Performance*	High Performance	Low Loss Premium	Standard	Conformance
IL Max/Master (acceptance)	0.10dB	0.15dB	0.25dB	IEC 61300-3-4
IL Max/Random (97%)	0.20dB	0.30dB	0.40dB	IEC 61300-3-34
Ave/Master	0.08dB	0.12dB	0.18dB	IEC 61300-3-4
Ave/Random	0.08dB	0.12dB	0.18dB	IEC 61300-3-34
Return Loss	55/70dB	55/65dB	55/65dB	IEC 61300-3-6

Optical Performance*	High loss Premium	Standard	Conformance
IL Max/Master (acceptance)	0.15	0.30	IEC 61300-3-4
IL Max/Random (97%)	0.25	0.40	IEC 61300-3-34
Ave/Master	0.08	0.15	IEC 61300-3-4
Ave/Random	0.10	0.20	IEC 61300-3-43

Features:

- Complies with IEC 61754-2 and TIA 604-2-B, FOCIS-2
- Low insertion loss and back reflection capability
- Bayonet style (stick and twist) housing for easy connection
- Nickel plated metal body
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC complaint
- Individual parts packed in bulk package

Applications:

- Local area networks
- Data processing networks
- Distribution application
- Premises distribution