

Product datasheet

Specifications



Actassi S-One Connector RJ45 Shielded Cat 6A 40M - pk x 10

VDIB177AXB10TN

Main

Range	Actassi
Product type	RJ45 network socket
Device presentation	Integrated one piece design
Colour tint	Connector: silver (zamak) Wire organizer: dark blue (ABS + PC) Connector housing: translucent (ABS + PC)
Wiring Colour configuration	568 A/B
Quantity per set	Set of 1

Complementary

[In] rated current	1.5 A at 25 °C
Voltage proof	1000 V AC/DC peak, between contacts 1500 V AC/DC peak, between contacts and shield
Contact resistance	20 mOhm
Insulation resistance	Initial insulation resistance: ≥ 500 MOhm at 100 V DC
AWG gauge	AWG 23...AWG 24
Durability	750 cycles
Coupling attenuation	≥ 45 dB at 30...100 MHz $\geq 85 - 20 \times \log(f)$ dB at 100...1000 MHz
Contact pins	8 pins of copper alloy and gold plated conforming to IEC 60603-7
Shield Type	Metallic: 360° self adjusting + drain wire contact Integrated short circuit barrier
Pulling force	50 N during 60 s
Transfer impedance	≤ 0.1 Ohm at 1 MHz ≤ 0.2 Ohm at 10 MHz ≤ 1.6 Ohm at 80 MHz
Transverse conversion loss	≥ 50 dB $\geq 68 - 20 \times \log(f)$ dB at 1...500000 kHz
Tool type	Punch down tool Quick termination tool
Cable outer diameter	0.9...1.4 mm
Compatible LAN cable types	STP
Communication network category	6A
Supported applications	10GBASE-T

Protocols	VoIP (Voice IP) PoE+ (Power over Ethernet) 4PPoE 100W (Power over Ethernet)
Type of footprint	S-One 40 mech
Height	28 mm
Length	35 mm
Width	18 mm
Targeted region	Europe Asia Pacific.

Environment

Operational temperature range	-40...70 °C
Climatic category	40/070/21 (21 days)
Flame retardance	UL94-V0 conforming to UL listed
Product certifications	RCM
Standards	ANSI/TIA-568-C.2 AS/NZS 3080 AS/CA S008 ISO/IEC 11801 EN 50173 IEC 60603-7-51

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	32.0 g
Package 1 Height	3 cm
Package 1 width	4 cm
Package 1 Length	6 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Weight	820.0 g
Package 2 Height	6.5 cm
Package 2 width	12.7 cm
Package 2 Length	18.2 cm
Unit Type of Package 3	CAR
Number of Units in Package 3	10
Package 3 Weight	381.0 g
Package 3 Height	6.5 cm
Package 3 width	12.7 cm
Package 3 Length	18.2 cm

Offer Sustainability

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	Product Environmental Profile