TX299K & TX293K
Uncooled 10G InAlGaAs TOSAs

AVAGO
TECHNOLOGIES

Product Brief
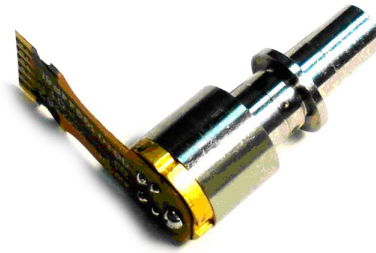
Description

Avago Technologies' 10G Transmit Optical Sub-Assemblies (TOSA) are compliant to the XMD MSA. With class-leading electro-optic performance and exceptionally low power consumption, these TOSAs are designed for integration into SFP, SFP+ and XFP and other transceiver and transponder modules, as well as optical line cards addressing Metropolitan Network applications.

Avagos' 1.3 µm uncooled 10G Fabry-Perot (FP) and Direct Modulated (DML) lasers are suitable for wide-temperature Time-Division-Multiplexing (TDM) and Coarse-wavelength-Division-Multiplexing (CWDM) applications in Access, Metro and LAN/Datacenter applications.

Features & Advantages:

- Low Threshold Current
- Wide Operating temperature -25°C to +90°C
- Using InAlGaAs chip technology, FP and DFB chips
- Internal optical isolator
- Supports up to 10.7 Gb/s to 10km (LR1 SONET/ SDH OC-192/STM-64, 10GBE & 10G Fiber Channel)

Ordering Information

Code	Rate	Laser Type	Output power	Package	Operation Temp.
TX299KL	10Gb/s	1310nm FP	-4.5 dBm	LC receptacle	-25 ~ 90 °C
TX299KS	10Gb/s	1310nm FP	-4.5 dBm	SC receptacle	-25 ~ 90 °C
TX293KCxxxx	10Gb/s	1310nm DFB	+1 dBm	LC,SC receptacle Pigtailed LC/SC/FC connector	-5 ~85 °C -5 ~ 95 °C -25 ~ 95 °C
TX293KFxxxx	10Gb/s	1310nm DFB	-2.5 dBm	LC,SC receptacle Pigtailed LC/SC/FC connector	-5 ~85 °C -5 ~ 95 °C -25 ~ 95 °C
TX293-1xx	10Gb/s CWDM	1270nm, 1290nm, 1310nm, 1330nm CWDM DFB	+1 dBm -2.5 dBm	LC,SC receptacle Pigtailed LC/SC/FC connector	-5 ~75 °C -20 ~ 85 °C

For product information and a complete list of distributors, please go to our web site: **www.avagotech.com**

CYOPTICS
an Avago Technologies company