



REVISIONS					
REV.	ZONE	DESCRIPTION	DATE	ENG.	APP.
2		CHANGE ORDINATE DIMENSION START POINT	2/29/24	L.X.	B.Z.
3		UPDATED TEMPERATURE SPEC	4/23/25	L.X.	M.S.

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STANDARD SPECIFICATIONS

PARAMETERS	VALUES
Wavelength range	1270-1610 nm for SM; 850 and 1310 nm for MM
Insertion loss	<5 dB (typical: 2-3 dB)
Insertion loss ripple	~+/-0.5 to 1 dB
Return loss (SM)	>45 dB
Crosstalk	>50 dB (typical: 63 dB)
Maximum speed	300 rpm
Estimated life cycle	100-200 million revolutions
Working temperature	-40 to +75 °C
Storage temperature	-50 to +85 °C
Package style	Pigtails on both ends
Housing material	Stainless steel
Fiber types	Single or multimode
Jacket types	900um, 2mm, 3 mm (Kevlar/PVC or armor)
Connector types	ST, FC, LC, SC (PC and APC)
Vibration	MIL-STD-167-1
Mechanical shock	MIL-STD-810H
IP rating	IP 65

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN mm  
DO NOT SCALE DRAWING

TOLERANCES:  
ANGULAR: ± 1/2°  
ONE PLACE DECIMAL ± 0.100  
TWO PLACE DECIMAL ± 0.050  
THREE PLACE DECIMAL ± 0.025

MATERIAL:

DRAWN	DATE	NAME	PRINCETEL, INC.		
	1/5/2017	L. X.			
	1/5/2017	R. Z.			
COMMENTS: FIRST ANGLE PROJECTION			TITLE:		
			MXnL FORJ Seal: IP65		
			SIZE	DWG. NO.	REV
			B	2023-65-AD	3
			PART NO.	-	SHEET 1 OF 1