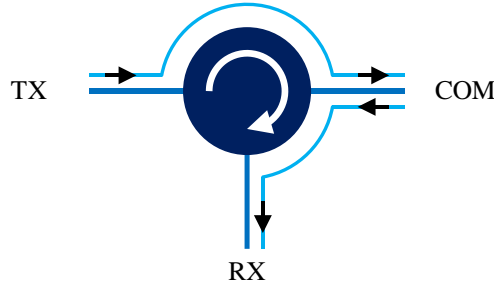


**Product: Free Space Optical Circulator**

Part Number	Spec Number	Version	Date
FSCIRXXXXXXXXXX	S018	Rev 01	11/30/2023

**1 Function Diagram**



**2 Specifications**

**2.1 Environment Conditions**

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
1.	Operating Temperature	Top	15		60	°C	
2.	Storage Temperature	Tstor	-40		85	°C	
3.	Operating Relative Humidity	RHop	5		95	%	[1]
4.	Storage Relative Humidity	RHstor	5		95	%	[1]

**Note:**

[1] Not to exceed industrial standard of 0.024 kg water per kg of dry air under non-condensing conditions.

**2.2 Optical Specifications**

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
5.	Operating Wavelength	$\lambda_{op}$	1267.5~1345.5			nm	
6.	Insertion Loss (TX → COM)	IL			1.0	dB	
7.	Insertion Loss (COM → RX)	IL			0.5	dB	
8.	Isolation (COM → TX)	ISO	40			dB	
9.	Isolation (RX → COM)	ISO	20			dB	
10.	Directivity	DIR	40			dB	
11.	Return Loss (TX)	RL	45			dB	
12.	Polarization Dependent Loss	Rx			0.1	dB	
13.		Tx			0.3	dB	
14.	Clear Aperture	CA	0.5			dB	
15.	Misalignment	MA			0.5	degree	
16.	Optical Power	Pop			300	mW	

**Note:**

\* Customizable specifications and size are available for customers.

**3 Device Label, Delivery Data**

Triple-Stone standard format.

**4 RoHS**

RoHS compliant.