

Shenzhen Nordson Bo Communication Co., Ltd

PRODUCT SPECIFICATION

Parameter	Units	Spec
Product Name		Clockwise SMT Circulator
Product Model		SC200TA-3400-3600-50-1
Product Code		101.904.00xx
Documentation Edition		V1.0
RoHS		RoHS 2.0
Frequency Range	MHz	3400-3600
Insertion loss	dB max	0.18 (Temp -40°C~+90°C)
	dB max	0.20 (Temp -40°C~+125°C)
Isolation	dB min	22.0 (Temp -40°C~+90°C)
	dB min	20.0 (Temp -40°C~+125°C)
Return Loss	dB min	22.0 (Temp -40°C~+90°C)
	dB min	20.0 (Temp -40°C~+125°C)
Real part	Ω	45 ~ 55
Imaginary part	$j\Omega$	-4 ~ +6
2nd Harmonic	dB	10
3rd Harmonic	dB	5
Average power	W	>50
Peak power	W	>200
IMD	dBc	$\leq -65\text{dBc}@2\times 40\text{dBm}$ 1MHz Spacing
Resonant frequency	MHz	3200-3800 MHz No resonance point
Direction of circulation		Clockwise
Plating		Housing: Cu3 Ag4 ; PIN: Ag4
Reflow temperature	°C	260°C max for 10 seconds
Storage Temperature Range	°C	-55°C~+150°C

Unit: mm/ inch, General part tolerance is $\pm 2\%$ unless otherwise stated.

