#### SPECIFICATION SHEET

RS409 Ring Scanner

Die cast zinc scan engine chassis, single board construction, scan engine isolation Improves impact protection

for scan engine to ensure maximum reliability

#### Supports Reduced Space Symbology (RSS)

Broadens the range of your scanning capabilities and increases investment protection

#### New swivel feature

Enables easy switching from right to left hand use

## Separate finger

**strap assembly** Improves hygiene and personalization; easy to replace

#### Better trigger ergonomics

Accommodates wide range of hand sizes; adapts to different hand positions

### Uses improved connectors to attach to WT4000 Series system host

Maximizes device flexibility and host uptime

#### Oversize LED light pipe

Enables users to quickly and easily confirm completion of a scan

#### **RoHS compliant**

Meets RoHS requirements

the RS409 provides the features and functionality to streamline processes, help improve worker productivity — and deliver a rapid return on investment. With built-in durability, you can count on maximum device uptime for a remarkably low total cost of ownership. And since even the most intelligent products require a maintenance plan and a support strategy, Motorola provides a full complement of service offerings to maximize uptime and maintain peak performance.

For more information on the RS409, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/rs409

**User Environment** 

# **RS409 Series Specifications**

Physical and Environmental Characteristics								
Dimensions:	1.9 in. H x 1.4 in. W x 1.9 in. D 4.8 cm H x 3.6 cm W x 4.8 cm D							
Weight:	2.0 oz./56.7 gm							
Current:	92 mA typical/121 mA max (one LED on)							
Standby Current:	12 μA typical/60 μA max							
Voltage:	3.1 VDC to 3.6 VDC							
Vcc Noise Level:	100 mV peak to peak max.							
Performance Characteristics								
Light Source:	650nm LASER 1.55mW							
Scan Rate:	92 min., 104 typical, 116 max. scans/sec (bidirectional)							
Nominal Working Distance:								
Density: Code Type: Far (Guaranteed): Far (Typical):	5 mil 39 4.75″ 8.75″	7.5 mil 39 8.75″ 14.25″	10 mil 39 13.25″ N/A	13 mil UPC 17.25" 24.25"	20 mil 39 21.5" 35.75"	40 mil 30 22.25″ N/A	55 mil 39 27" 50.5"	
Yaw <sup>1</sup> :	± 50° from normal							
Roll <sup>2</sup> :	± 3	± 35° from vertical						
Pitch <sup>3</sup> :	± 65° from normal							

Operating Temp.:	-4° to 122° F/-20° to 50° C				
Storage Temp.:	-25° to 160° F/-40° to 70° C				
Humidity:	5% to 95% non-condensing				
Ambient Light mmunity:	Indoor – 450 ft. candles (4,844 lux) Outdoor – 10,000 ft. candles (107,640 lux)				
Drop Spec.:	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range				
Sealing:	IP54				
Regulatory					
Electrical Safety:	Certified to CSA C22.2 No. 60950-1, EN60950-1, IEC 60950-1				
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC and R&TT Directives, Australian AS/NZS 4268				
_aser Safety:	CDRH Class II, IEC 60825-1 Class 2				

630nm 680nm LASER 1.0 MILLIWATT MAX, OUTPL CLASS II LASER PRODUCT

1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise

2 - Pitch: Controleed by dropping or raising the wrist

3 - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa



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