

VS2010-FT Specifications For Fluorescent ID Tag (S18c) Reading

Illumination: Visible Blue LED
Receiving Device: 3648 element linear imager
Reading Distance: From .5 in. (1.3 cm) to 18 in. (46 cm) on medium density bar codes – S18c code Typical between 4-8”
Reading Width: 7.5 mil code: 7 in. (18 cm) from nose, 3.5 in. (8.9 cm) wide
 13 mil code: 12.5 in. (31.8 cm) from nose, 8.0 in. (20.3 cm) wide
Resolution: 3 mil. at 4 in. (10 cm) distance
Skew Angle: +65°
Pitch Angle: +65°
Horizontal Velocity: 20 in. (51 cm) per second
Minimum Symbol Contrast: 20%
Scan Rate: Up to 270 scans per second
Decode Rate: 270 decodes per second

Length: 4.4 in. (11.2 cm)
Height: 5.9 in. (15.0 cm)
Width: 3.1 in. (7.9 cm)
Weight: 5.6 oz. (158.8 g)
Housing: UL 94V0 grade
Power Requirements: LDS38GRSJ00: 4.5 - 12Vdc at scanner

Current Draw (Maximum):

Input	5 V	12 V
Scanning	255mA	155mA
Idle	86mA	65mA

Noise Rejection: Maximum 100mV peak to peak, 10 to 100 kHz

Operating Temperature: +32°F to +122°F (0°C to +50°C)
Storage Temperature: -40°F to 140°F (-40°C to +60°C)
Humidity: 0 to 95%, non-condensing
Mechanical Shock: Operational after 50 drops from 5 ft. (1.5 m) to concrete
Ambient Illumination: 0 - 500 lux for fluorescing codes, 300-10,000 lux for non-fluorescing codes.
ESD Protection: Functional after 15kV discharge
Vibration: Withstands 5G peak from 22 to 300 Hz
Agency: FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed
MTBF: per MIL-HDBK-217F Ground Benign exceeds 85,000 hours

Symbologies: USPS S18c, Codabar, Code 3 of 9 including PARAF, Interleaved 2 of 5, Straight 2 of 5 Industrial, Matrix 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, China Postal Code, GS1 DataBar. 2005 Sunrise/GTIN compliant, and ISBT 128 Concatenation (requires a paid license).
Interfaces: LDS38GRSJ00: All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232,IBM

Warranty: One-year factory warranty.

Typical Performance*

Narrow Width Depth of Field	
5.0 mil	2.0 - 8 in. (5 - 20 cm)
7.5 mil	1.5 - 12 in. (4 - 30 cm)
10 mil (80% UPC)	1.0 - 15 in. (3 - 38 cm)
13 mil (100% UPC)	.5 - 18 in. (1 - 46 cm)
15 mil	1.0 - 22 in. (3 - 56)
20 mil	1.0 - 26 in. (3 - 66 cm)
20 mil S18c Postal code	4 - 8 in. (10 - 20 cm)

*may be impacted by bar code quality and environmental conditions

