

## VSF771C1

### 1. ABSOLUTE MAX RATINGS (Ta=25°C)

ITEM	SYMBOL	RAITINGS	UNIT
Forward Current (DC)	IF	50	mA
Forward Current (Pulse) *1	IFP	0.5	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	100	mW
Operating Temp.	Topr	-20 ~ +85	°C
Storage Temp.	Tstg	-30 ~ +100	°C

\*1:  $t_w=10\mu\text{s}$ ,  $t=10\text{ms}$

### 2. ELECTRICAL & OPTICAL CHARACTERISTICS (Ta=25°C)

ITEM	SYMBOL	Min.	Typ.	Max.	UNIT	CONDITIONS
Power Output	PO	3.0	6.0		mW	IF=20mA
Forward Voltage	VF		1.55	1.95	V	IF=20mA
Reverse Current	IR			100	$\mu\text{A}$	VR=5V
Peak Wavelength	$\lambda_p$		770		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$		25		nm	IF=20mA
Half Intensity Beam Angle	$\Delta\theta$		+/- 25		deg.	

### 3. SOLDERING CONDITION

- Max Soldering Temperature: 260 °C
- Max Soldering Time: 5 sec.
- Soldering Portion of Lead: Up to 3mm from the body of device

To purchase this part contact  
Marktech Optoelectronics at

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