
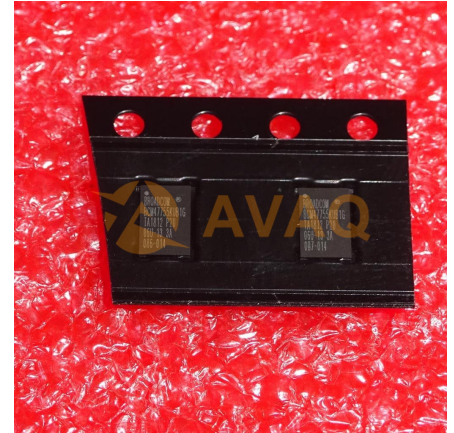


GNSS Receiver with Integrated Sensor Hub

Manufacturer:	Broadcom Corporation
Package/Case:	BGA
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The Broadcom® BCM47755 location hub is a single-chip device that combines location awareness capabilities with the typical functions of a sensor hub. The combination provides synergistic benefits that cannot be achieved with multiple ICs, such as low power consumption, higher accuracy, reduced footprint and a smaller BOM.

The BCM47755 supports two frequencies (L1+L5), and as a result, achieves lane-level accuracy outdoors and much higher resistance to multipath and reflected signals in urban scenarios, as well as higher interference and jamming immunity.

Furthermore, the BCM47755 incorporates numerous technologies that enable ultralow power consumption in both the location function and the sensor hub function. The device features a low-power RF path, a Big/Little CPU configuration composed of an ARM-based 32-bit Cortex-M4F (CM4), an ARM-based Cortex-M0 (CM0), and is built in a 28 nm process.

Key Features

GPS L1 C/A

GLONASS L1

BeiDou (BDS) B1

QZSS L1

Galileo (GAL) E1

GPS L5

Galileo E5a

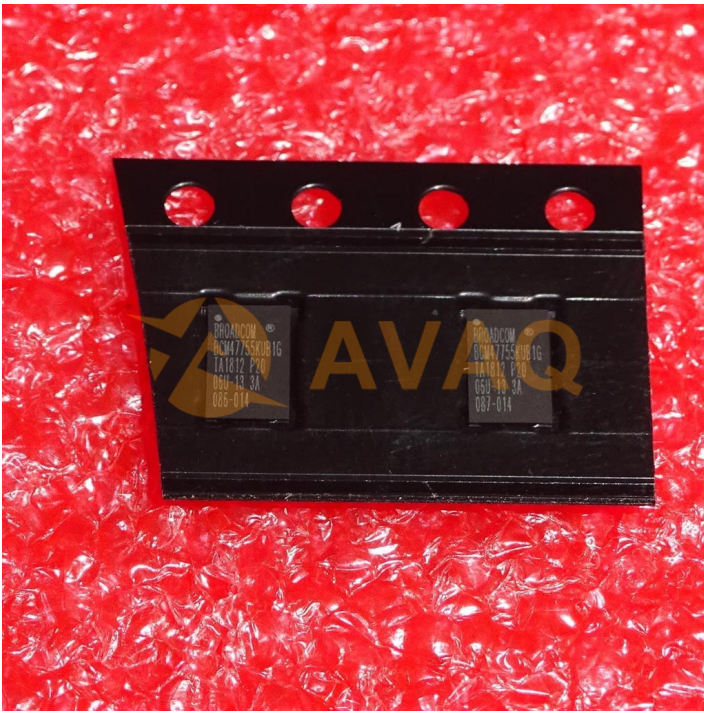
QZSS L5

Application

Smartphones

Wearables

Tablets



Recommended For You

BCM3349KFBG

Broadcom Corporation

BGA

BCM5751KFBG

Broadcom Corporation

BGA

BCM5387KFBG

Broadcom Corporation

BGA

BCM88675CB0KFSBG

Broadcom Corporation

BGA

BCM3348KPB

Broadcom Corporation

BGA

BCM5787MKFBG

Broadcom Corporation

BGA

BCM3349KPBG

Broadcom Corporation

BGA

BCM5789KFBG

Broadcom Corporation

BGA

BCM5320MKPBG

Broadcom Corporation

BGA

BCM3380

Broadcom Corporation

BGA

BCM5701

Broadcom Corporation

BGA

BCM56960B1KFSBG

Broadcom Corporation

BGA

BCM5702

Broadcom Corporation

BGA

BCM3300

Broadcom Corporation

BGA

BCM3349

Broadcom Corporation

BGA